

In the claims.

1. An extruder assembly for dough-like material comprising:

progressing cavity pump means having an inlet and an outlet,
the outlet being adapted to form the dough-like material into a
5 desired configuration;

roll feeder means having first and second side-by-side,
counter-rotating rollers and a discharge, the roll feeder means
discharge being adapted to deliver dough-like material, under
pressure, to the pump means inlet.

10

2. The extruder assembly of claim 1 wherein the inlet of said pump
means comprises screw feeder means.

3. The extruder assembly of claim 1 wherein the progressing cavity
15 pump means further comprises screw feeder means.

4. The extruder assembly of claim 1 wherein the pump means outlet
comprises extruder means, said extruder means including means for
incorporating minor constituents into said dough-like material.

20

5. The extruder assembly of claim 4 wherein said minor constituent
incorporating means comprises static mixer means.

6. The extruder assembly of claim 4 wherein said extruder means

comprises means for separating said dough-like material into at least two separate streams, said minor constituent incorporating means comprising means for independently and selectively incorporating minor constituents into said separate streams.

5

7. The extruder assembly of claim 6 wherein said extruder means comprises co-extrusion means, at least said first and second streams being co-extruded via said co-extrusion means.

10 8. The extruder assembly of claim 1 wherein the improvement further comprises screw feeder means interconnecting the roll feeder and progressing cavity pump.

9. An extruder for a dough comprising:

15 a progressing cavity pump having an inlet and an outlet;
 a screw feeder adapted to deliver dough-like material to the progressing cavity pump; and,
 extruder means operatively connected at the outlet of the progressing cavity pump.

20

10. The extruder of claim 9 wherein said extruder means includes means for incorporating minor constituents into said food dough.

11. The extruder of claim 10 wherein said minor constituent

incorporating means comprises static mixer means.

12. The extruder of claim 10 further comprising means for separating said food dough into at least two separate streams, said
5 minor constituent incorporating means comprising means for independently and separately incorporating minor constituents into said separate streams.

13. The extruder of claim 12 wherein said minor constituent
10 incorporating means comprises static mixer means.

14. The extruder assembly of claim 12 wherein said extruder means comprises co-extrusion means, at least said first and second streams being co-extruded via said co-extrusion means.

15

15. The extruder of claim 14 wherein said minor constituent incorporating means comprises static mixer means.